

INTERNATIONAL SEARCH REPORT

Inte	nal Application No
PCT/IB2005/051182	

A. CLASSIFICATION OF SUBJECT MATTER		
IPC 7	H04B1/69	H04L25/49

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B G01S H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2004/042561 A1 (HO MINNIE ET AL) 4 March 2004 (2004-03-04) page 2, paragraph 16 – paragraph 23; figures 1-4 ----- WO 01/93444 A (XTREMESPECTRUM, INC) 6 December 2001 (2001-12-06) cited in the application page 19, line 20 – page 20, line 31; figures 2,3 -----	1-3,6, 8-12
Y	US 5 832 035 A (FULLERTON ET AL) 3 November 1998 (1998-11-03) column 10, line 54 – column 12, line 7; figure 11 -----	1-3,6, 8-12
A		1,6,10

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier document but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
7 June 2005	15/06/2005

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Authorized officer

Kolbe, W

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int'l Application No
PCT/IB2005/051182

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 2004042561	A1 04-03-2004	AU 2003268321	A1 19-03-2004	
		WO 2004021595	A1 11-03-2004	
WO 0193444	A 06-12-2001	AU 5882200	A 11-12-2001	
		AU 6127701	A 11-12-2001	
		AU 6127801	A 11-12-2001	
		AU 6300701	A 11-12-2001	
		AU 6300801	A 11-12-2001	
		AU 6457301	A 11-12-2001	
		AU 6457401	A 11-12-2001	
		AU 6457501	A 11-12-2001	
		AU 7481901	A 11-12-2001	
		AU 7482001	A 11-12-2001	
		EP 1295405	A1 26-03-2003	
		EP 1302001	A2 16-04-2003	
		EP 1284049	A1 19-02-2003	
		JP 2003535552	T 25-11-2003	
		JP 2003535557	T 25-11-2003	
		WO 0193441	A1 06-12-2001	
		WO 0193442	A1 06-12-2001	
		WO 0193434	A2 06-12-2001	
		WO 0193519	A1 06-12-2001	
		WO 0193482	A2 06-12-2001	
		WO 0193443	A2 06-12-2001	
		WO 0193444	A1 06-12-2001	
		WO 0193445	A2 06-12-2001	
		WO 0193520	A2 06-12-2001	
		WO 0193446	A2 06-12-2001	
		US 2003096578	A1 22-05-2003	
		US 2003161411	A1 28-08-2003	
		US 6735238	B1 11-05-2004	
		US 6505032	B1 07-01-2003	
		US 6834073	B1 21-12-2004	
		AU 9698201	A 22-04-2002	
		WO 0231998	A2 18-04-2002	
US 5832035	A 03-11-1998	US 5677927	A 14-10-1997	
		US 5687169	A 11-11-1997	
		US 2003189975	A1 09-10-2003	
		US 6549567	B1 15-04-2003	
		AU 6266296	A 30-12-1996	
		DE 69610091	D1 05-10-2000	
		DE 69610091	T2 05-04-2001	
		EP 0830755	A1 25-03-1998	
		WO 9641432	A1 19-12-1996	
		AU 712260	B2 04-11-1999	
		AU 3685595	A 09-04-1996	
		CA 2200475	A1 28-03-1996	
		CN 1169220	A ,C 31-12-1997	
		EP 0782791	A1 09-07-1997	
		HK 1007472	A1 29-08-2003	
		JP 10508725	T 25-08-1998	
		US 6430208	B1 06-08-2002	
		WO 9609694	A1 28-03-1996	
		US 2003043931	A1 06-03-2003	
		US 2004233973	A1 25-11-2004	
		US 6031862	A 29-02-2000	
		US 5963581	A 05-10-1999	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/051182

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5832035	A	US	5995534 A	30-11-1999
		US	5960031 A	28-09-1999
		AU	712518 B2	11-11-1999
		AU	5673996 A	18-11-1996
		CA	2219485 A1	31-10-1996
		CN	1185247 A	17-06-1998
		DE	69633007 D1	02-09-2004
		EP	0823152 A1	11-02-1998
		JP	11504480 T	20-04-1999
		WO	9634462 A1	31-10-1996